

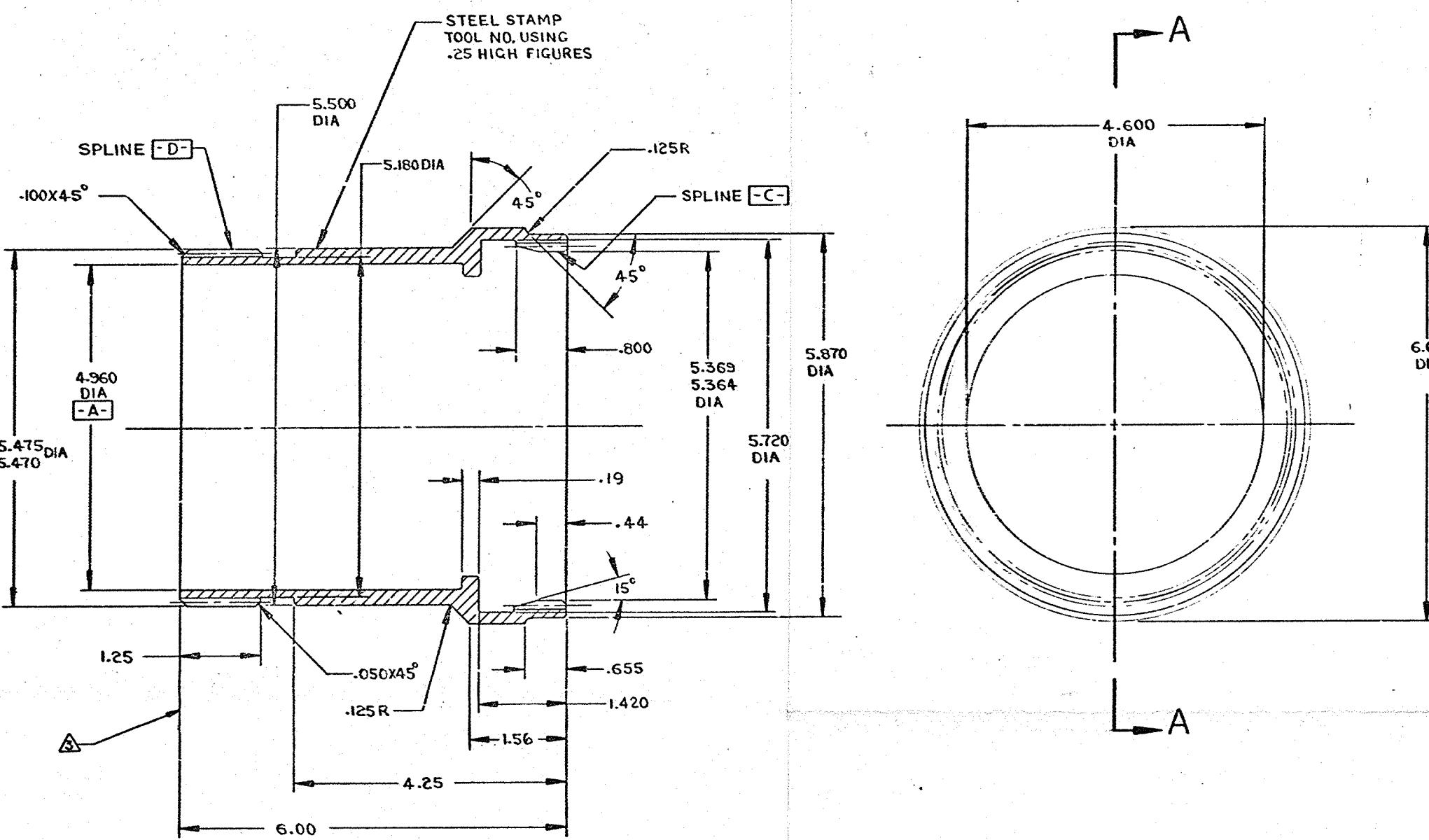
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	SEE EN 412-127-466(G) INC EO 412A3J1 D11-C-2-2-473, 1015 REV 412A3Z CHG FROM TEST TO PRD DWG. REF TEST ED 412A221	4-14-30	J. ALCO
B			
C			
D			

### SPLINE -C-

TYPE INTERNAL, INVOLUTE FLAT ROOT, SIDE FIT  
 NO OF TEETH 44  
 PRESSURE ANGLE 30°  
 PITCH 6/16  
 BASE CIRCLE DIA (REF) 4.763440  
 PITCH DIA (REF) 5.5000  
 MINOR DIA (REF) 5.364-5.369  
 FORM DIA 5.636  
 MAJOR DIA 5.662-5.664 A3  
 CIRCULAR SPACE WIDTH:  
 MIN ACTUAL (REF) 1990 A3  
 MAX ACTUAL (REF) 2012 A3  
 MEASUREMENT BETWEEN .2160 DIA PINS 5.1934 ~ 5.1970  
 SURFACE TEXTURE 125AA

### SPLINE ED-

TYPE EXTERNAL, INVOLUTE FLAT ROOT, SIDE FIT  
 NO OF TEETH 43  
 PRESSURE ANGLE 30°  
 PITCH 8/16  
 BASE CIRCLE DIA (REF) 4.654886  
 PITCH DIA (REF) 5.375  
 MAJOR DIA (REF) 5.470-5.475  
 FORM DIA 5.239  
 MINOR DIA (MIN) 5.194 A3  
 CIRCULAR TOOTH THICKNESS:  
 MAX ACTUAL (REF) 1866  
 MIN ACTUAL (REF) 1807  
 MEASUREMENT OVER .2160 DIA PINS 5.651-5.661 A2  
 SURFACE TEXTURE 125AA



SECTION A-A

### NOTES:

1. BREAK ALL SHARP EDGES .015 R OR .015X45°-50°.
2. ALL UNDESIGNED DIAMETERS AND SURFACES TO BE  A100
3. HEAT TREAT TO 145-165 KSI ~ Rc 32.5-36.5. CHECK HARDNESS ON INDICATED SURFACE.
4. SEE DWG 412-049-101 FOR TOOL APPLICATION.
5. A1 A CADMIUM PLATE PER FED SPEC QQ-P-41G, CLASS 2, TYPE II.

FILE COPY

PARTS LIST										DRAWING NO./ SPEC	
QTY / ITEM NO.	PART OR IDENTIFYING NO.	CODE IDENT NO.	NOMENCLATURE OR DESCRIPTION	STOCK SIZE	MATERIAL	MATERIAL SPEC	TOLERANCE				
							UPPER	MIDDLE	LOWER		
	T103178		SOCKET SWIVELWALX34130ALYST COMMERCIAL A A							EWA 412 M10.7 W.O. 4720	

SOURCES QUALIFIED AND APPROVED BY BHT FOR STANDARDS AND MATERIALS ARE LISTED IN REPORT 299-099-900.		PROPRIETARY RIGHTS NOTICE THESE DATA ARE PROPRIETARY TO BELL HELICOPTER TEXTRON. DISCLOSURE, REPRODUCTION, OR USE OF THESE DATA FOR ANY PURPOSE IS FORBIDDEN WITHOUT WRITTEN AUTHORIZATION FROM BELL HELICOPTER TEXTRON.		UNLESS OTHERWISE SPECIFIED 1. MATERIAL GRADE 2. BREAK ALL SHARP EDGES. 3. 100% INSPECTION 4. SAFETY PER EPPS 400 5. DIMENSIONAL LIMITS APPLY AFTER PLATING		CONTACT NAME: PALREDDY II-678 PHONE: 713-466-4761 FAX: 713-466-4762 E-MAIL: <i>[Signature]</i>				
FOR APPROVED INTERCHANGEABLE EQUIVALENTS AND SUPERSEDED PARTS - SEE BHT STANDARD 170-001		THE FOREGOING DOES NOT APPLY TO VENDOR PARTS.		TOLERANCES ON DIMENSIONS ARE IN INCHES ANGLES: 1° ± 1° STRESS: 2 Bushin / 1.4176 WEIGHTS: 0.25-3.0 DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1973 ELECTRICAL SYMBOLS: ASME Y14.12.2 SURFACE FINISHES PER ANSI Y14.32 ELECTRICAL REF DESIGNATIONS PER ANSI Y32.16		HEAT TREAT: MIL-H-8675 FINISH: <i>[Signature]</i>				
				APPLICABLE DOCUMENTS ABBREVIATIONS PER Y14.1 DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1973 ELECTRICAL SYMBOLS: ASME Y14.12.2 SURFACE FINISHES PER ANSI Y14.32 ELECTRICAL REF DESIGNATIONS PER ANSI Y32.16		TOLERANCES ON DIMENSIONS ARE IN INCHES ANGLES: 1° ± 1° STRESS: 2 Bushin / 1.4176 WEIGHTS: 0.25-3.0 DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1973 ELECTRICAL SYMBOLS: ASME Y14.12.2 SURFACE FINISHES PER ANSI Y14.32 ELECTRICAL REF DESIGNATIONS PER ANSI Y32.16				
				DASH. NO. NEXT ASSY. USED ON APPLICATION		DASH. NO. NEXT ASSY. USED ON APPLICATION		DASH. NO. NEXT ASSY. USED ON APPLICATION		
				412-049-366 412		412-049-366 412		412-049-366 412		
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										SCALE 1/1 ISSUED SHEET 1 OF 1

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